

FORM PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98

Docket Number:	Serial Number:
4015-981	09/915,895
Applicant:	
Dent, Paul W.	
Filing Date:	Group:
July 26, 2001	2631 2686

U. S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subcl	Filing Date
qjs	A 6144711	11/2000	Pollack, Michael A et al			
qjs	B 6473467	10/2002	Wallace et al			
qjs	C 6434366	08/2002	Harrison et al			
qjs	D 4995057	02/1991	Chung, Hong Y			
qjs	E 5887027	03/1999	Cohen, Herbert B et al			

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	Patent No.	Date	Name	Class	Subcl	Translation	
						Yes	No
qjs	F EP 1087545	3/2001	University Singapore				
qjs	G WO 9837671	8/1998	Globespan Technologies Inc				
qjs	H WO 0197474	12/2001	Mitsubishi Electric Corp				
qjs	I EP 1067710	01/2001	CIT Alcatel				
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qjs	M WO 0199453	12/2001	Matsushita Electric Ind Co Ltd				
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qjs	O	Ying-Chang, Liang et al: "Transmit Antenna Array Techniques for Cellular CDMA Systems" Personal, Indoor and Mobile Radio Communications, 1998. The Ninth IEEE International Symposium on Boston, MA, USA, 8-11 Sept. 1998, New York, NY, USA< IEEE, US, 8 September 1998, pages 1396-1400, XP010314608 ISBN: 0-7803-4872-9
qjs	P	Kawakami E et al: "Multi-Stage Interference Canceller Systems With Accurate Radio Channel Estimation Under Fading Environment" 1997 IEEE 6 th International Conference on Universal Personal Communication Record. San Diego, 12-16 Oct. 1997, IEEE International Conference on Universal Personal Communications, New York, IEEE, US, vol. 2 conf. 6, 12 October 1997, pages 475-479, XP010248754 ISBN: 0-7803-3777-8

EXAMINER

Willet, Daniel, Jr

DATE CONSIDERED

05/28/2004

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.



Sheet 2 of 2

FORM PTO-1449

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Docket Number:	Serial Number:
4015-981	09/915,895
Applicant:	
Paul W. Dent	
Filing Date:	Group:
December 5, 2001	26862681

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U. S. PATENT DOCUMENTS

Examiner					Filing Date		
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W.D.	Q 5,963,874	10/1999	Mahler	-	-		
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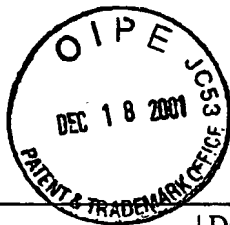
EXAMINER

W.D. Dent, Jr.

DATE CONSIDERED

05/28/2004

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Sheet 1 of 2

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Docket Number:	Serial Number:
4015-981	09/915,895
Applicant:	
Paul W. Dent	
Filing Date:	Group:
December 5, 2001	2686 2681

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Examiner Initial	Patent No.	Date	Name	Class	Subcl	Filing Date If Approp.
W.D.	A 5,481,572	01/1996	Skold et al.			
W.D.	B 5,499,272	03/1996	Bottomley			
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W.D.	D 5,619,503	04/1997	Dent			
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W.D.	M 5,883,888	03/1999	St-Pierre			

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FOREIGN PATENT DOCUMENTS

Patent No.	Date	Name	Class	Subcl	Translation Yes No

OTHER DOCUMENTS (including author, title, date, pages, etc.)

W.D.	1	Initial Estimation of Communication Efficiency of Indoor Wireless Channels, G. J. Foschini and R. A. Valenzuela, Wireless Networks 3, pp. 141-154, 1997; Lucent Technologies, Bell Labs Innovations, Crawford Hill Laboratory, Holmdel, NJ 07733, USA
W.D.	2	On Limits of Wireless Communications in a Fading Environment When Using Multiple Antennas, G. J. Foschini and M.J. Gans, Wireless Personal Communications, Vol. 6 (No.3), pp. 311-335, Kluwer Academic Publishers, March, 1998; Lucent Technologies, Bell Labs Innovations, Crawford Hill Laboratory - R137, 791 Holmdel-Keyport Road, Holmdel, NJ 07733-0400, USA

Willie J. Daniel, Jr. 05/28/2004